

L.S. - S.D.	70	20.00
S.D. - L.S.	5.00	15.00
Rel.	3.00	40.00
Bft.	1.00	
Bank	1.00	
S.B. - S.B.	5.26	
S.B. Sum	.28	
Ordn. - H.	1.00	
Dinner	1.25	
Clark	3.00	
S.D. - S.P.	.70	
Bft.	.90	
Bank	1.10	
Dinner	1.25	
		26.45

July 28th

Harvested July 17-24
 774 Ton Capacity
 40itre cure
 charcoal Tablets

3 1st driers
 1 8' 2nd drier

Benson - Crown
 Turrentine - Export
 Tanner - Plant Supr.
 Beaulieu - Office

Kelf Lighter than
 Juice Trip

Formalin
 for Robinson

1/2
 200
 3.00
 1.00 - 30 frames

UNITED STATES KELP PRODUCTS CO.
MANUFACTURING CHEMISTS
SUMMERLAND
CALIFORNIA

PRODUCTS

DECOLORIZING CARBON
POTASH SALTS
IODINE

RODNEY BENSON
PRESIDENT

KELPCHAR

UNITED STATES DEPARTMENT OF AGRICULTURE,
BUREAU OF SOILS.
INVESTIGATION OF FERTILIZER RESOURCES.
EXPERIMENTAL PLANT FOR THE EXTRACTION OF POTASH FROM KELP.
SUMMERLAND, CALIFORNIA.

April 25, 1922.

Capt. W. C. Crandall,
Scripps Biological Institute,
La Jolla, California.

Dear Crandall:

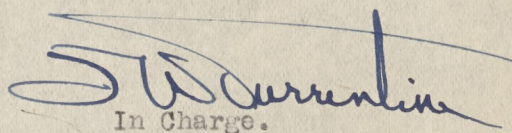
I have your esteemed favor of the 24th instant with enclosures. I shall recommend to the gentleman who wants to provide cattle with a full mineral ration that he feed them kelp.

We delivered the kelp plant to our successor, Mr. Rodney Benson of Santa Barbara, on the first instant. I am staying here for two months to help in the rehabilitation of the plant. You will be interested to know that the purchaser is going ahead on an enlarged scale with liberal plans, is introducing economies that we recommended, and is showing every evidence of successful management. I predict great success.

I hope you will avail yourself of the first opportunity to run up to see the new plant and to get acquainted with the new people. You will find them nice people to meet, and I hope that you will be able to establish relations that are mutually both pleasant and profitable.

With kindest regards and best wishes, I am

Yours very sincerely,


In Charge.

JW Turrentine
ELB

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON, D. C.
OFFICE OF THE CHIEF OF BUREAU
PLANT INDUSTRY

Very respectfully,
Yours very truly,
[Signature]

[Signature]

KELP NOTES.

The kelp beds from SanDiego to Santa Barbara showing much thinner than on previous trip. Date of this trip July 28, 1922.

KELP COMPANIES.

The United States Kelp Products Company harvested July 17 to 24 inclusive. Capacity on plant 175 tons, having been increased to 3 first stage dryers, one 8 foot second stage dryer.

Uses to which the charcoal is to be put are possibly goiter cure and charcoal digestive tablets.

Officers of Company: Rodney Benson, President; Dr. J. W. Turrentine, General Manager; Turner, Plant Superintendent; Beaulieu, Office Man.

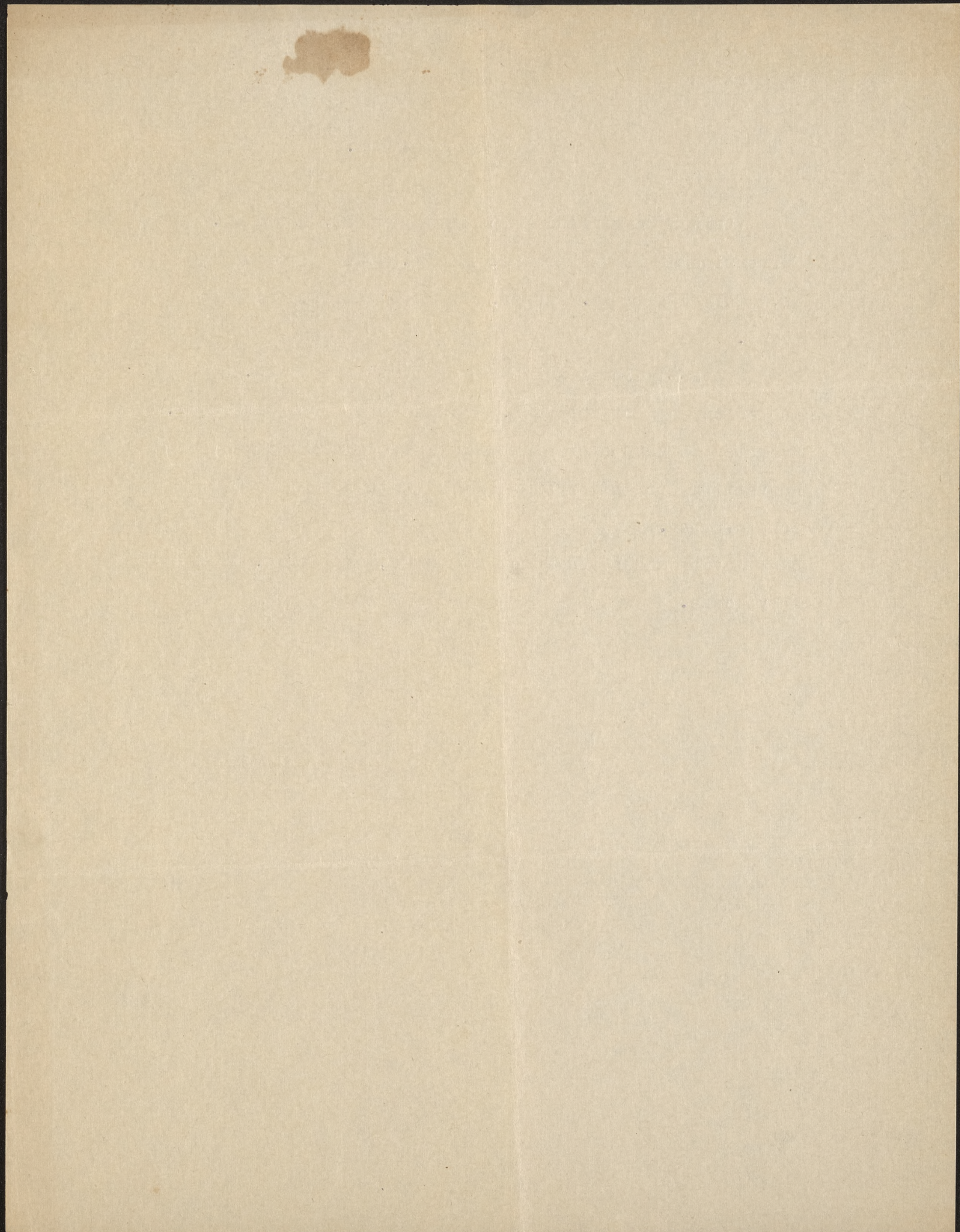
WIBBOS BOND

Kelp Investigation.

Visited Summerland Kelp Plant June 20. Found Dr. Turrentine at Santa Barbara, and Mr. Rodney Benson not in. Talked with Mr. Tanner, the Superintendent of the plant.

Boats Mayflower and the Sea Pilot's Barge No. 5 moored off end of the pier. No harvesting had been made. Expected to turn over plant about the 26th and commence harvesting soon afterward. Plant to handle about 150 tons per day.

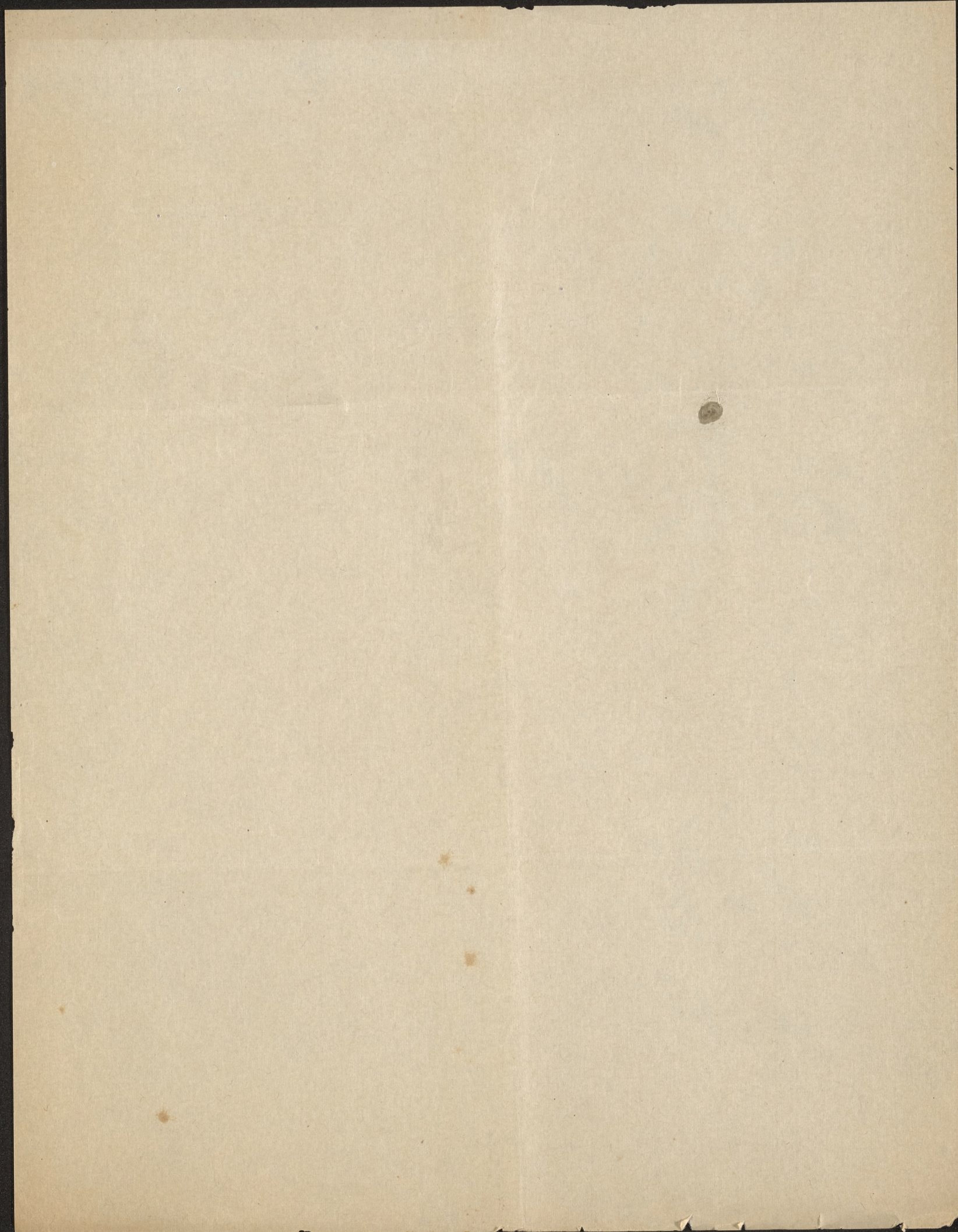
Advised Fish and Game Commission, San Pedro, of the above case.



June 21, 1922.

Kelp beds No. 5 heavy

" " Nos. 11 to 20 very heavy.



Oct. 29-30-21

Keep ^{Nov 20-21}

Examination - Oct. 29-30-1921

1	H.	H
2	H	H
3	VH	VH
4	VH	VH
5	H	H
6	M	M
7	M	M
8	H	H
9	VH	H
10	H	H
11	M	M
12	VH	VH
13	VH	VH
14	VH	VH
15	M	M
16		
17		
18	M	
19	M	
20	H	
21	H	H
22	VH	H
23	T	T
24		H
25		H
26		H
27	28-29-30	H

Oricle Linen
Board

M
H
HY
HV
H
M
M
H
HV

M
HV
HV
HV
M

M
M
H
H
HY
T

1922 - Mar - 21 - 22

Examined all keep beds L. I. to
D. B. except Santa Monica - mugs.
found all very heavy. Some
Keep ashore off # 4 x

1870

I have just received from
you a letter of the 10th inst.
and am glad to hear from
you.

Yours truly,
O. J. L.

1870

JWT:BR

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF SOILS
WASHINGTON

INVESTIGATION OF FERTILIZER RESOURCES

October 3, 1923.

Capt. W. C. Crandall,
Scripps Biological Institution,
La Jolla, Calif.

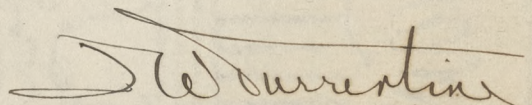
Dear Capt.-

Enclosed herewith I am sending you the galley proof of the Brandt paper. You will rejoice with me that this paper has made such progress. I think we can look forward to the early appearance of the finished bulletin.

I am sending this to you for your corrections. If there is anything that you wish to see altered please so indicate. Do not trouble to read the proof as that will be done here but you might read the text to see if there are any glaring errors or anything of the sort which you would like to see corrected. As we anticipate that the galley will be called for by the Printing Office at an early date, it might be well to hurry its return to us. However, if there are no corrections which you wish to make you need not bother to return the galley but merely drop us a line conveying the statement that you have looked it over.

With kindest regards and best wishes, I am

Yours very sincerely,



J. W. Turrentine.

Encl.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON, D. C.

1914

October 3, 1913

Gen. W. D. Armistead,
Bureau Biological Institution,
La Jolla, Calif.

Dear Genl.:

Enclosed herewith I am sending you the
Galley proof of the "Plant Index". You will rejoice with
me that this paper has made such progress. I think we
can look forward to the early appearance of the finished
bulletin.

I am sending this to you for your
corrections. If there is anything that you wish to see alter-
ed please so indicate. Do not trouble to read the text as
that will be done here but you might read the text to see if
there are any glaring errors or anything of the sort which
you would like to see corrected. As we anticipate that the
Galley will be called for by the Printing Office at an early
date, it might be well to hurry its return to us. However, if
there are no corrections which you wish to make you need not
bother to return the Galley but merely drop us a line convey-
ing the statement that you have looked it over.

With kindest regards and best wishes, I am

Yours very sincerely,

L. W. Armistead

Encl.

October 22, 1923

Dr. J. W. Turrentine,
Bureau of Soils,
Washington, D.C.

My dear Turrentine:

On my return Saturday I found the galley proof of the Brandt paper and I have gone through it since that time. I think that you have organized the work in excellent shape and that the facts are stated as correctly as possible in view of the situation that the author can not go through the paper for minor corrections. I think the paper will do as well as could be possibly expected under the circumstances.

I am mighty glad to know that we are finally to have this paper in print. For some time I have been anticipating getting out papers relative to the rate of growth, control of harvesting, etc., but these points are covered well enough so that those who may want to enter the hemp industry later will have the material available in this paper.

It may interest you to know that another hemp company, headed by Tamer, is figuring on starting a plant near National City. They are going to make hemp oil. If anything develops out of this I will let you know more fully later. Only the initiatory steps have been started so far and nothing may come of it.

Mrs. Crandall and I have been wondering for some time what you were doing and how you had rearranged your work since returning to Washington. We are now in the position of wondering just what we will do next year as the reorganization due to the coming of Vaughan to the Institution will let me out of the work here and it will be necessary for me to enter into some other line. I shall regret leaving La Jolla in some ways, but it probably will be better for both of us as we have been in this seaside low altitude climate now for nearly twenty years. I think if I were able to locate in the mountains for a couple of years that it would do a lot to give me some more of my old fashioned pep.

With kindest regards and congratulations upon getting out the Brandt paper, I am

Sincerely yours,

CC/G

Business Manager.

October 22, 1922

Dr. J. W. Thornton,
Director of Police,
Washington, D.C.

My dear Thornton:

On my return Saturday I found the railway great of the
Grand Canyon and I have some things to show you.
I think that you have organized the work in excellent shape
and that the facts are stated as correctly as possible in
view of the situation that the author can not go through the
paper for some reason. I think the paper will be as
well as could be possibly expected under the circumstances.

I am mighty glad to know that we are timely to have
this paper in print. For some time I have been anticipating
seeing our papers relative to the rate of growth, control
of harvesting, etc., but these things are covered off enough
so that those who may want to enter the field industry later
will have the material available in this paper.

It may interest you to know that another help company,
headed by Turner, is starting on starting a plant near National
City. They are going to make help out. If anything develops
out of this I will let you know more fully later. Only the
initial steps have been started so far and nothing may
come of it.

Mrs. Grandall and I have been wondering for some time what
you were doing and how you had been getting on. We are returning
to Washington. We are now in the position of a consulting firm
what we will do next year as a corporation due to the coming
of Vachon to the Institution will let me out of the work here and
it will be necessary for me to enter into some other line.
I shall be leaving in some way, but it is probably
will be better for both of us as we have been in this position
for almost three years now for nearly twenty years. I think it
I was able to locate in the mountains for a couple of years
that it will do a lot to give me some more of my old knowledge
back.

With kindest regards and congratulations from all of us
the Grand Canyon, I am

Sincerely yours,

William H. Henshaw

CC/2

EXCAVATING

SEWER WORK

CONCRETE WORK

SIDEWALKS

GRADING

PUBLIC BUILDINGS

PAVING AND ROAD WORK

JAMES T. CORNWALL

ENGINEERING CONTRACTOR

SANTA BARBARA, CALIFORNIA

Santa Paula, Calif., Nov. 8 1923

BUNGALOWS

APARTMENTS

WATER
DEVELOPMENT

IRRIGATION
SYSTEMS

SURVEYING

ENGINEERING

Prof. W. C. Crandall,
Scripps Institution of Biological Research,
LA JOLLA, CALIF.

Dear Sir;-

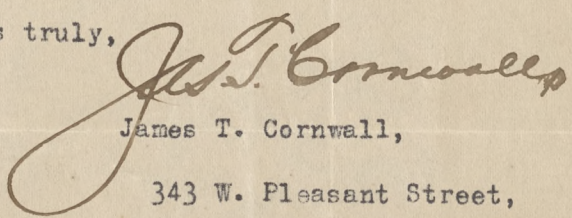
We understand that a Mr. Tanner of
Los Angeles, is organizing a Company for the
manufacture of Kelp Products; We, also, are
informed that you are in a position to furnish
us with his address.

We shall be greatly obliged, if you
know Mr. Tanner's initials and address, if you will
kindly send same to us in the inclosed self addressed
envelope.

We have recently bought the Government Kelp
plant at Summerland, Cal., and are dismantelling it and
have much material that a new concern might use to a
good advantage and a very large saving in money.

Thanking you for this courtesy, I am,

Yours truly,


James T. Cornwall,

343 W. Pleasant Street,

Santa Paula, Cal.

JTC/EP

THE
OFFICE OF THE
SHERIFF
COUNTY OF
SANTA BARBARA
CALIFORNIA

PAID BY ROAD & FERRY
JAMES T. C. KNEWELL
SHERIFF
COUNTY OF
SANTA BARBARA
CALIFORNIA

THE
OFFICE OF THE
SHERIFF
COUNTY OF
SANTA BARBARA
CALIFORNIA

National City Calif.

P.O. Box 266

Nov. 15 1923

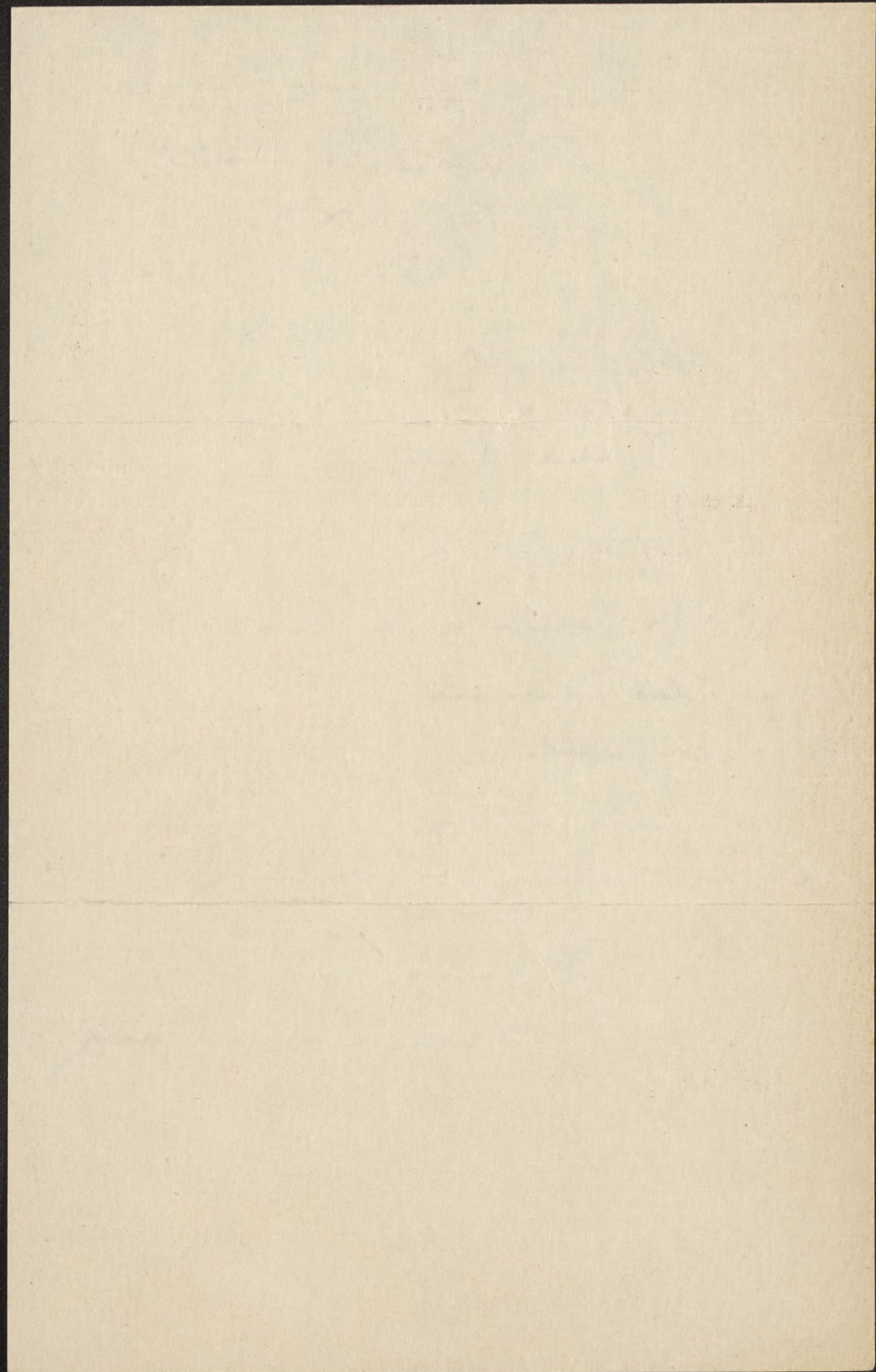
Prof. W.C. Crandall
Biological Sta
La Jolla Calif.

Dear Prof. Crandall

Mr. Tamm's address is
Charles Tamm 1847 West 46th St.
Los Angeles.

I am sorry I was not at
home when you called.

Yours very truly
H. Warren Shepard



Nov.16th 1923

James T.Cornwall,

Santa Paula, Calif.

Dear sir:

I have had some difficulty finding out the present status of the National Kelp Products Co. This company is now looking for a site and the manager is Charles Tanner, 1847 West 46th St., Los Angeles.

Very truly yours

Business Manager.

100.100.100

100.100.100

100.100.100

100.100.100

100.100.100

100.100.100

100.100.100

100.100.100

100.100.100

JWT: BR

UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF SOILS

WASHINGTON

INVESTIGATION OF FERTILIZER RESOURCES

February 16, 1924.

Capt. W. C. Crandall,
The Scripps Institution for Biological Research,
University of California,
La Jolla, Calif.

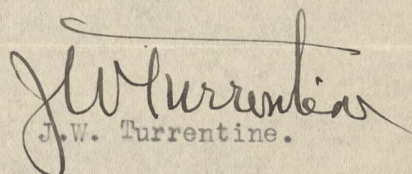
Dear Crandall:

I am glad to have your note of the 5th inst. giving me the name and address of the president of the National Kelp Products Company. This information was timely for I just had an inquiry from a Mr. Alan Walker, of Los Angeles, as to where he could secure a copy of the moving picture taken of the Summerland plant. My recollection is that Zahn's company is the one that had the picture made.

I am glad to note that letters still come from you at La Jolla and trust that it means that you have come to favorable arrangements with the Institution and its overlords.

With kindest regards and best wishes, I am

Yours very sincerely,


J.W. Turrentine.

UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF SOILS

WASHINGTON

RECEIVED BY THE BUREAU OF SOILS

[Faint handwritten signature]

11/29/30

Dr. Frank K. Cameron,
Washington, D.C.

My dear Dr. Cameron:

By this time you are wondering what has become of the kelp of the Pacific Ocean, I suspect. Well it is all there due to the fact that one trouble after another has developed that has held us back. So I will start at the beginning and let you have the whole story.

First I had to finish the road which I have done so that trucks and four horse teams can get up and back without difficulty.

Then came the oven. The top is not ready yet, the compressor is in and the motor set but no juice yet. Got 20 bbls of oil and placed in a sump and then the sump leaked and so I have to get more oil. That meant 25.00 gone to the devil. Now I will have to have a tank made because of the character of the ground. Then I was shy 2000 brick and that meant a short wait.

Then I began to fill in about the oven and the weight of dirt was too much so that it began to start towards caving in. Result I had to shore it up and now I have to put in permanent braces. The walls are not strong enough to stand the pressure.

Tomorrow at 6 A.M. we are going to start cutting kelp, and try to get under way for burning about Tuesday noon. After that is done then I can send you some real results. So far, there is nothing to report other than the continued work of catching a failing point here and there and then going to it again. I have really meant considerable work to even get this small plant in readiness and I hope that it will be ready in a short time.

However the points that I have been going up against will prove of value when we get to a real plant. The necessity for real experimental work is very evident however. The mere detail of correct construction of the ovens is I see

WALTER POLYMERES LITHOGRAPH

the time already spent.

We are still figuring on that 40 acres and I can see that there will be many reasons while it would be advisable to consider the point of land very carefully. I think that we can work out some very satisfactory method of handling the proposition and be there right off the beds.

I saw Kettner last Monday and he will do his best to get a leave for you so that you can feel free to work and still not feel that you can't resign whenever you want to within six months. So I can see no reason why we should not be able to make Mrs. Cameron feel that everything has been done to make the game a safe one from every standpoint.

I trust that you and Mrs. Cameron had a pleasant journey home and that the trip was a successful one from all points.

With best wishes to you and the lady, I am

Sincerely yours,

1